ODP-1340-7(

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3 0 JUN 1976

MEMORANDUM FOR: Director of Joint Computer Support

FROM   : [_____]

Director of Communications

SUBJECT   : Automation of the OC Repair and Return (R&R)
Inventory Management System

     1.   This memorandum requests that your office conduct a feasibility study to define the scope of work and facilities required for the automation and support of the OC Repair and Return (R&R) Inventory Management System.

     2.   The function of the R&R system is to support the Agency communications network by providing a quick response equipment replenishment service. Because of the increasing complexity of equipment installed to support the network and the inflated cost of spares stock, the R&R inventory management is crucial to cost-effective operation of the network.

     3.   Currently the R&R system has an inventory of over 15,000 line items which includes both expendable and non-expendable property. Immediate needs would require file storage and processing for the items contained in the following categories:

a.	Teletype	-	10,000 items
b.	[____]	-	1,200 items
c.	SKYLINK	-	2,500 items
d.	ARS	-	1,200 items
e.	[____]	-	100 items

The data storage requirements computed on the number of line items, characters per line (compression considered) and the line numbers per item totals 28 Mbytes.

SUBJECT: Automation of the OC Repair and Return (R&R)
           Inventory Management System

        4.   Future requirements call for the following categories
to be included in the inventory management system:

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        a. [   ]   - 2,000 items
        b.   Crystal inventory
        c.   Service contracts
        d.   Small parts inventory

We do not have at this time a projected storage requirement
for these items. It is expected however, that one of the
attached file formats will be applied to these categories.

        5.   Tentative file and display formats showing the
information structure, which would be required in the manage-
ment system, are included as attachments. Although not
directly indicated, there are some special reports which
would also be required, for instance, periodic or demand
reorder reports based on quantities on hand. We would expect
to further define these reports during the analysis and
feasibility study phase.

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        6. [   ] the OC ADP Systems Administrator,
can be contacted on extension [   ] for further discussion or
information pertaining to this subject.

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Attachment:
   Tentative File and Display Formats

PART NO.   NOUN   COST   OH   RO   DI   LOCATION
                                               1 Line

	FROM THE FIELD					TO THE FIELD		
DATE	VOUCHER NO.	QUANTITY	STATION	SHIPPED	DATE	VOUCHER NO.	QUANTITY	STA
			28 Lines			28 Lines		

	OUTSTANDING REQUISITIONS			
DATE OUT	REQN. NO.	QUANTITY OUT	QUANTITY IN	TOTAL ON ORDER
		8 Lines		

DESCRIPTION
    Part No. - Teletype part number. Operator should be able to obtain access to information by
               typing this number.
    NOUN   - Noun description of part. Operator should be able to obtain access to information
               by typing this noun.
    COST   - Cost of item. Will vary with time.
    OH   - Number of parts on hand. Varies with requisitions and shipments to the field.
    RO   - Number of parts at which some type of reorder signal is given.
    DI   - Number of parts to reorder after signal is given.
    LOCATION - Physical location of part in stock.
    DATE   - Dates should be julian in form.
    TOTAL ON ORDER - Varies with quantity out, quantity in, and DI.
    FIELD INFORMATION - 28 transactions, then delete first transaction and roll all others one line
    REQUISITION INFORMATION - 8 lines. Delete and roll as above.

PART NO.	NOUN	EQUIPMENT				DI	LOCATION
		1 Line					
TECH REQ.	S/N	ISSUED TO	SHIP. NR.	DATE	D.I.-S/N	DATE REC'D	TM#

30 Lines

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DESCRIPTION
    PART NO. AND NOUN - Operator should be able to obtain access to information by typing either

    EQUIPMENT   - Nomenclature of unit that part is used in.
    MANUFACTURER - Manufacturer of unit.
    S/N   - Serial number of part sent to field.
    ISSUED TO   - Where sent.
    SHIP. NR.   - Shipping number.
    D.I.-S/N   - Serial number of part obtained from field.
    TM#   - Method of transportation.

    Reorder as in Teletype.
    30 lines, then delete and roll.

ITEM NO.	NOUN	CKT. SYM.	EQUIPMENT	OH	MANUFACTURER	RO	DI	LOCATIO

TECH REQ.	S/N	ISSUED TO	SHIP. NR.	DATE	D.I.-S/N	DATE REC'D	TM#

30 Lines

DESCRIPTION
      ITEM NO. - Used instead of Part No.
      CKT. SYM.- Card title.

   Operator should be able to obtain access to information by typing item no., noun, or ckt. sy

   Reorder as in Teletype.
   30 lines, then delete and roll.